Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_\_\_\_\_\_\_\_\_

Objective: Today I am predicting how various solids behave when mixed with water. I will also Use the Kinetic Theory model to explain changes in the volume, shape, and viscosity of materials in response to temperature changes during a phase change. Finally, I will Identify more than 100 known elements (unique atoms) exist that may be combined in nature or by man to produce compounds that make up the living and nonliving substances in the environment.

\_\_\_\_\_It’s in the Cards Method of Separating Mixtures Sorting: Evaporation, Filtration, Mixture, Compound, Magnetism, Evaporation, Boiling, Chromatography, Screening

\_\_\_\_\_PowerPoint/Notes: Solubility

\_\_\_\_\_It’s in the Cards: solute, solvent, solubility, polar molecule, soluble, insoluble, and nonpolar molecule

\_\_\_\_\_Video/Worksheet for rules of solubility see teacher

\_\_\_\_\_Virtual Lab: Solubility <http://www.glencoe.com/sites/common_assets/science/virtual_labs/PS15/PS15.html>

\_\_\_\_\_Solubility lab: See teacher for instruction

\_\_\_\_\_PowerPoint/Notes: Kinetic Theory of Matter or States of Matter. Provide notes for the following only: Key points: State, arrangement of particles, movement of particles, and amount of energy

\_\_\_\_Video Summary: Study Jam States of Matter

\_\_\_\_\_Virtual Lab: Summarize what you learned. <http://phet.colorado.edu/en/simulation/states-of-matter>

\_\_\_\_\_Notes/PowerPoint: Periodic Table of Elements

\_\_\_\_\_Summary Video Study Jam Periodic Table

\_\_\_\_Periodic Table Project : <http://www.scsc.k12.in.us/SMS/Teachers/Elliot/Elements%20WebQuest/Elements%20WebQuest.htm>